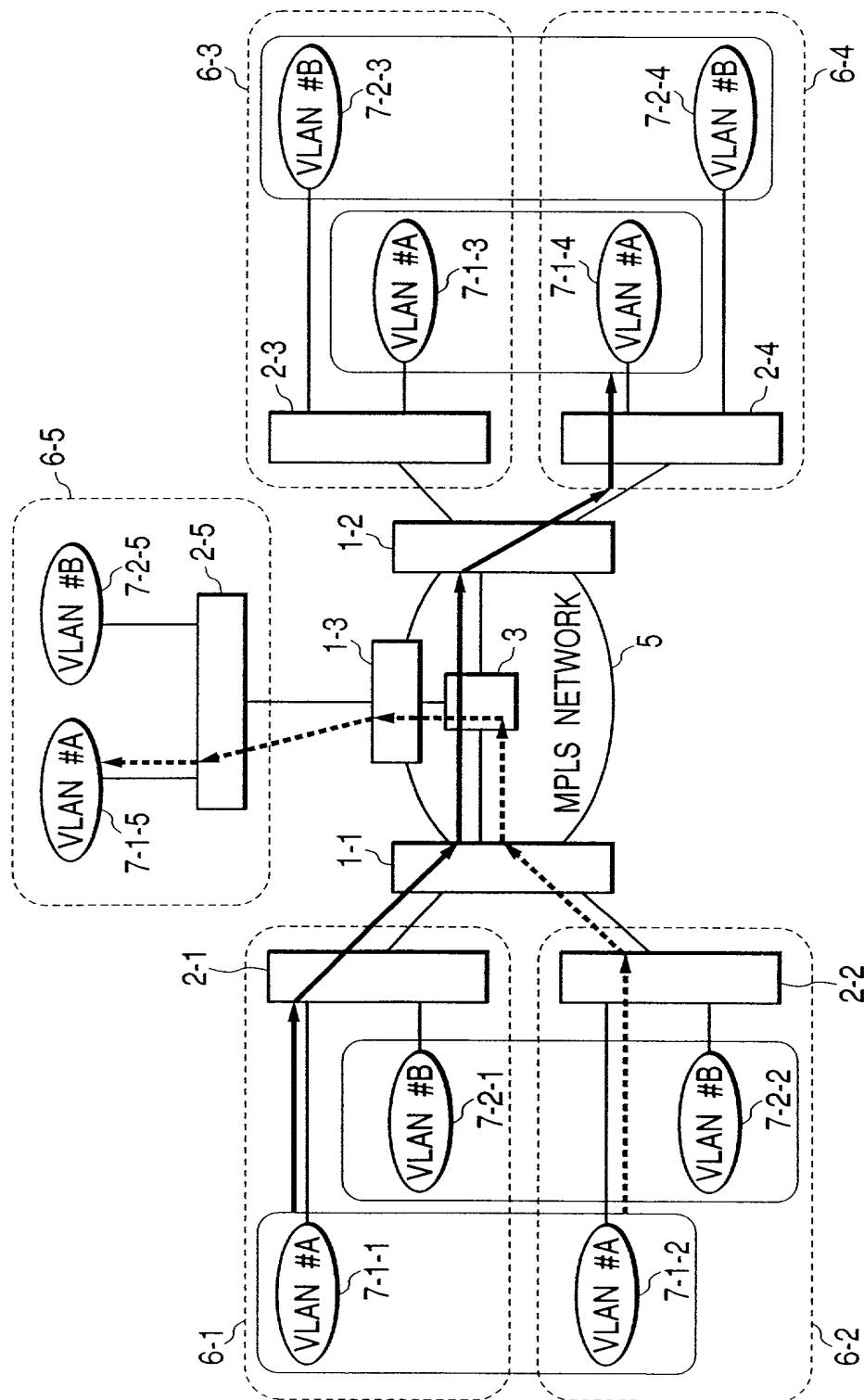
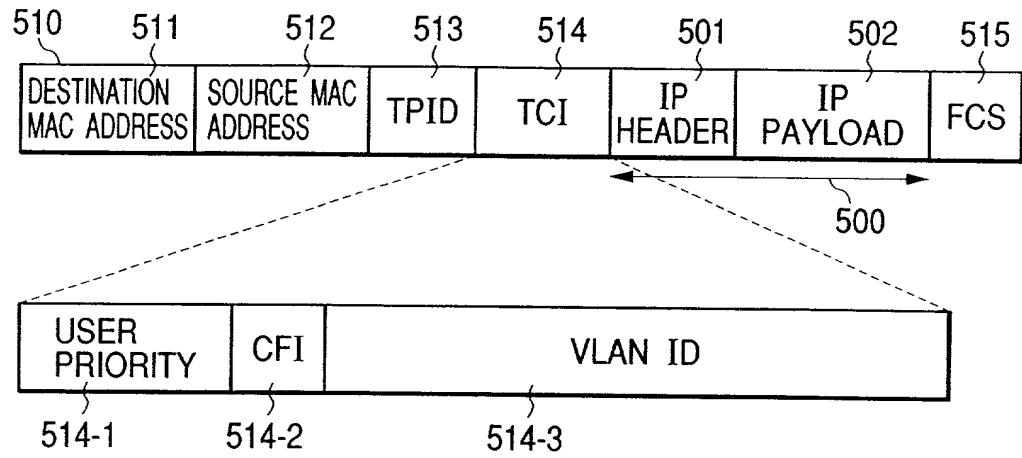


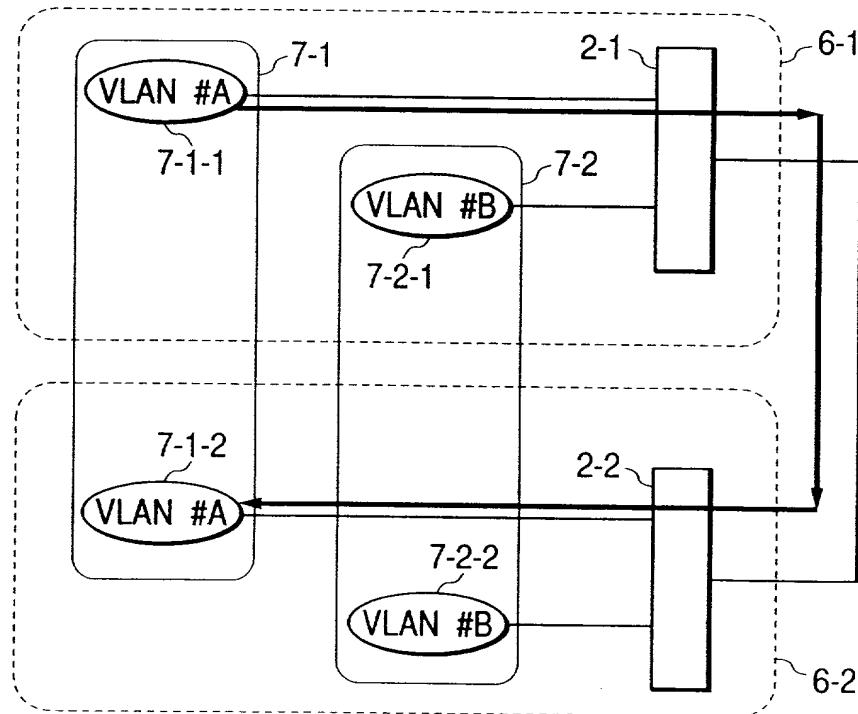
**FIG. 1**

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**FIG. 2**

TCI : TAG CONTROL INFORMATION  
 CFI : CANONICAL FORMAT INDICATOR  
 TPID : TAG PROTOCOL IDENTIFIER

**FIG. 3**

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FIG. 4

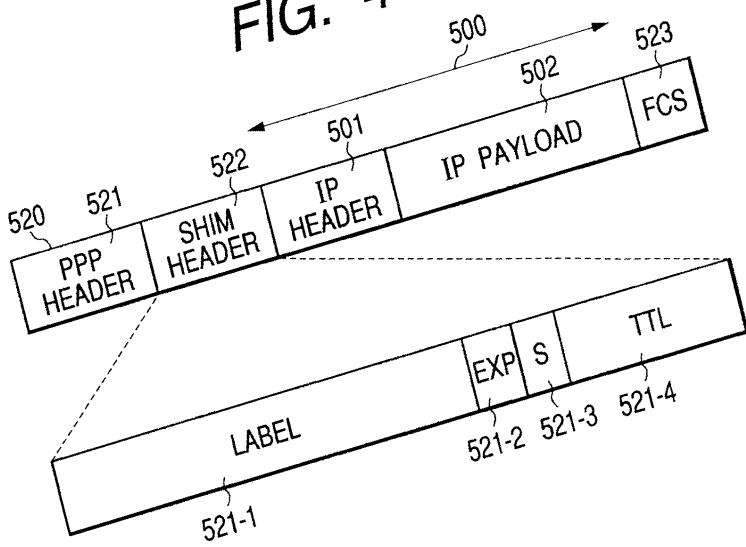
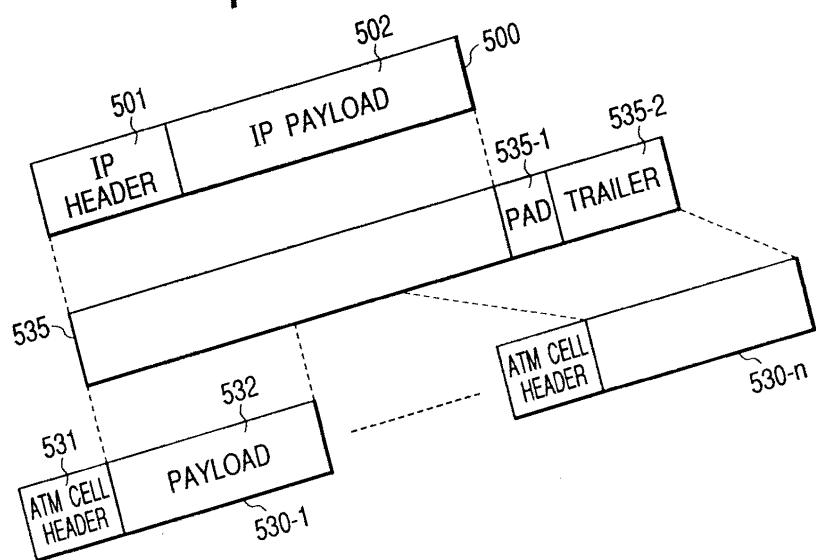


FIG. 5



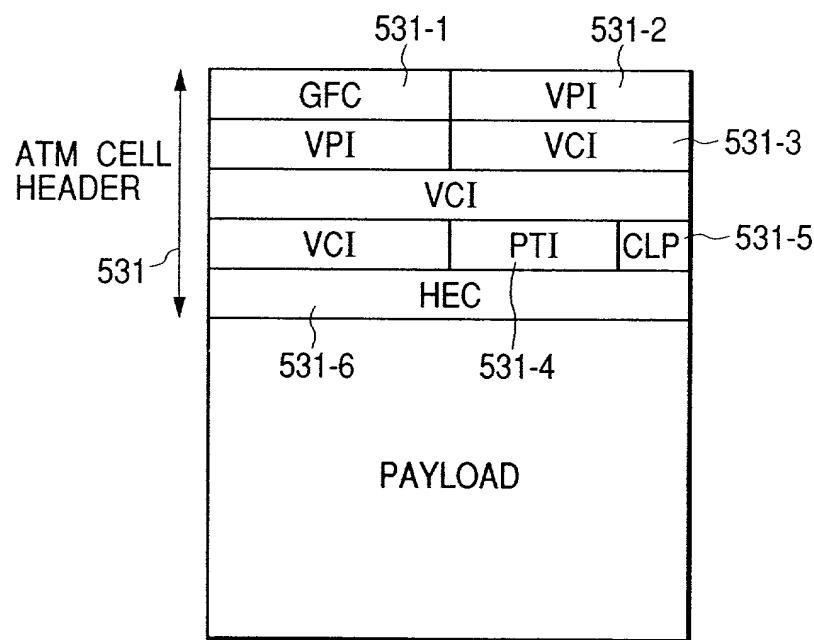
*FIG. 6*

FIG. 7

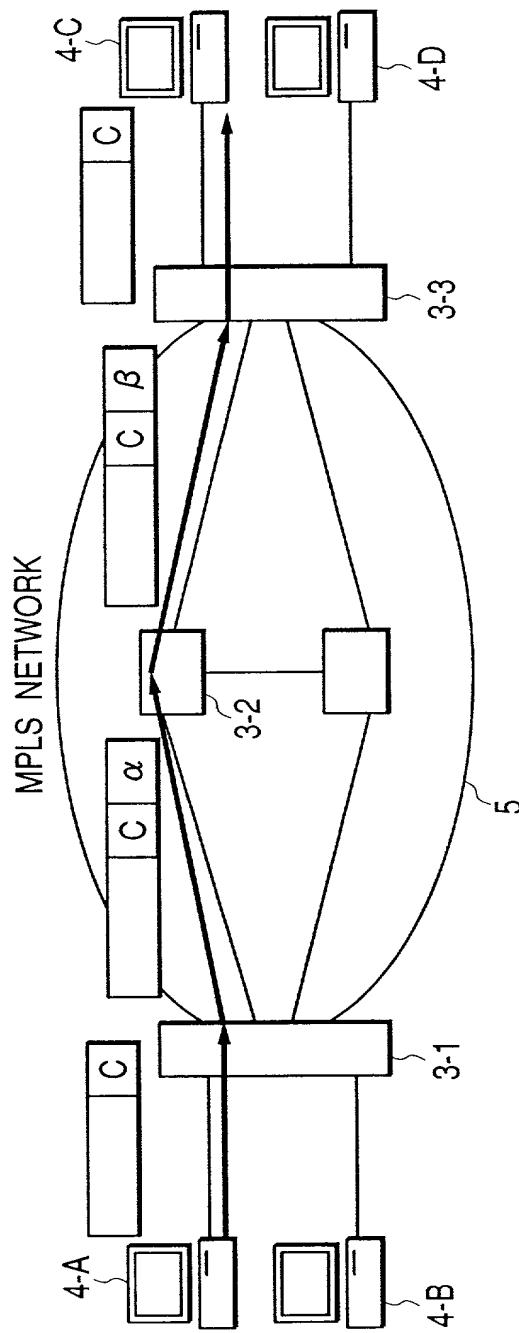
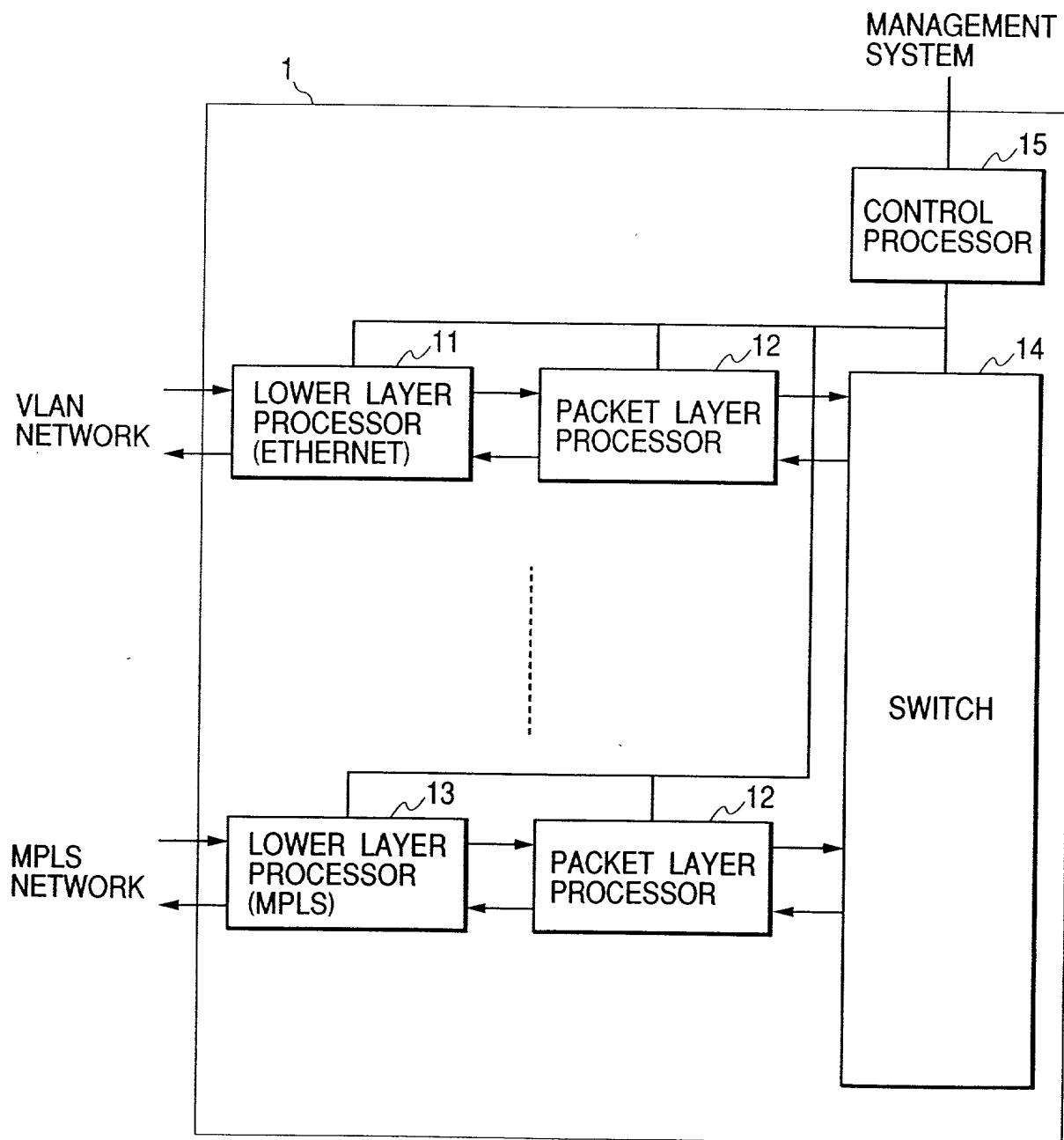
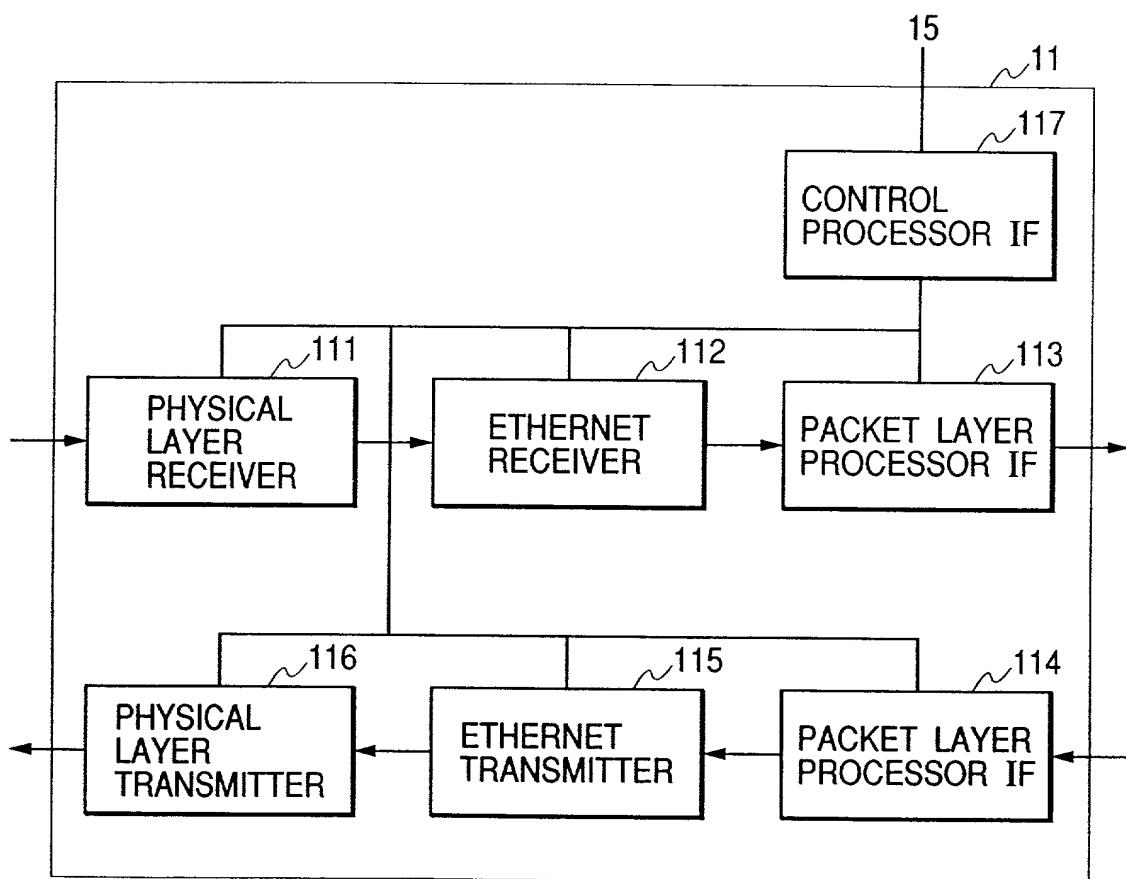
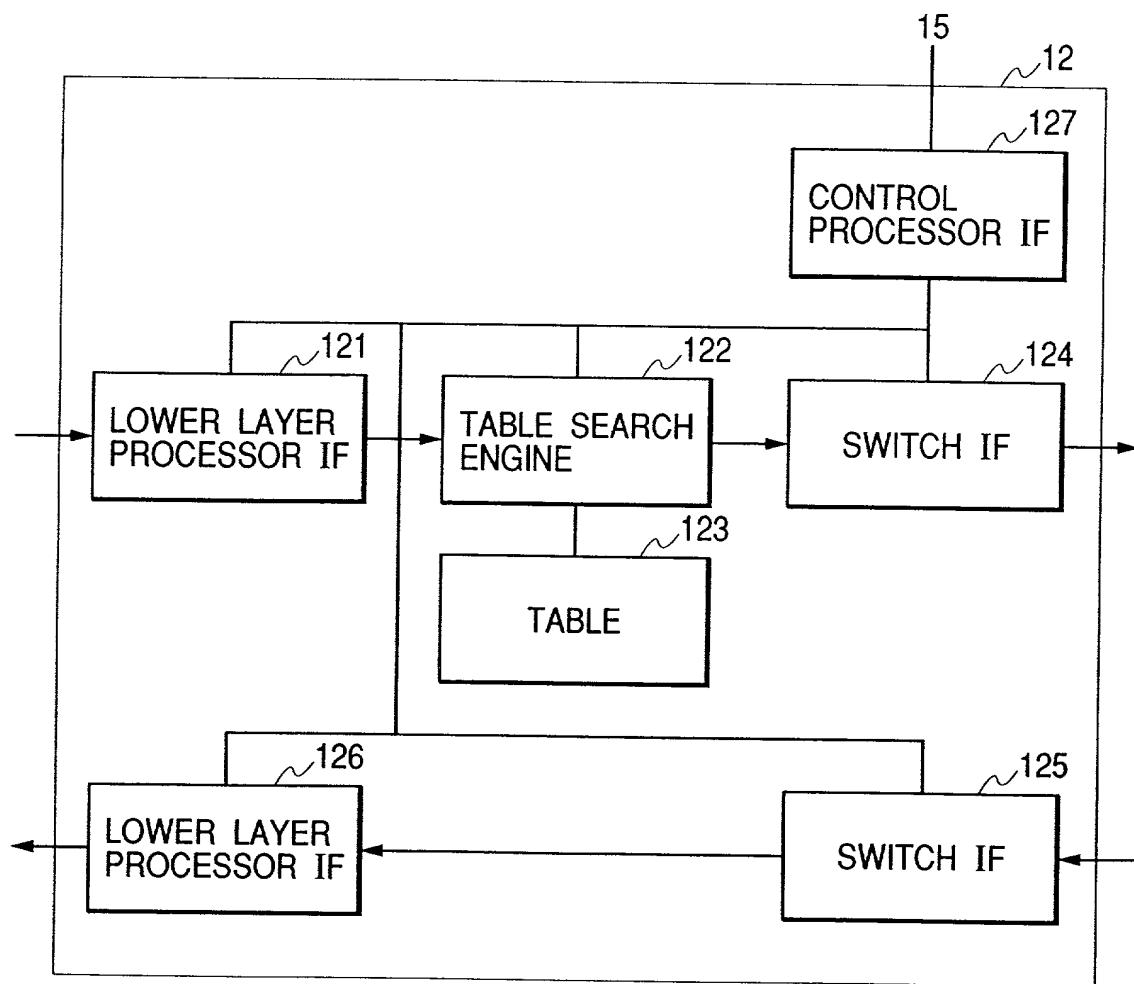
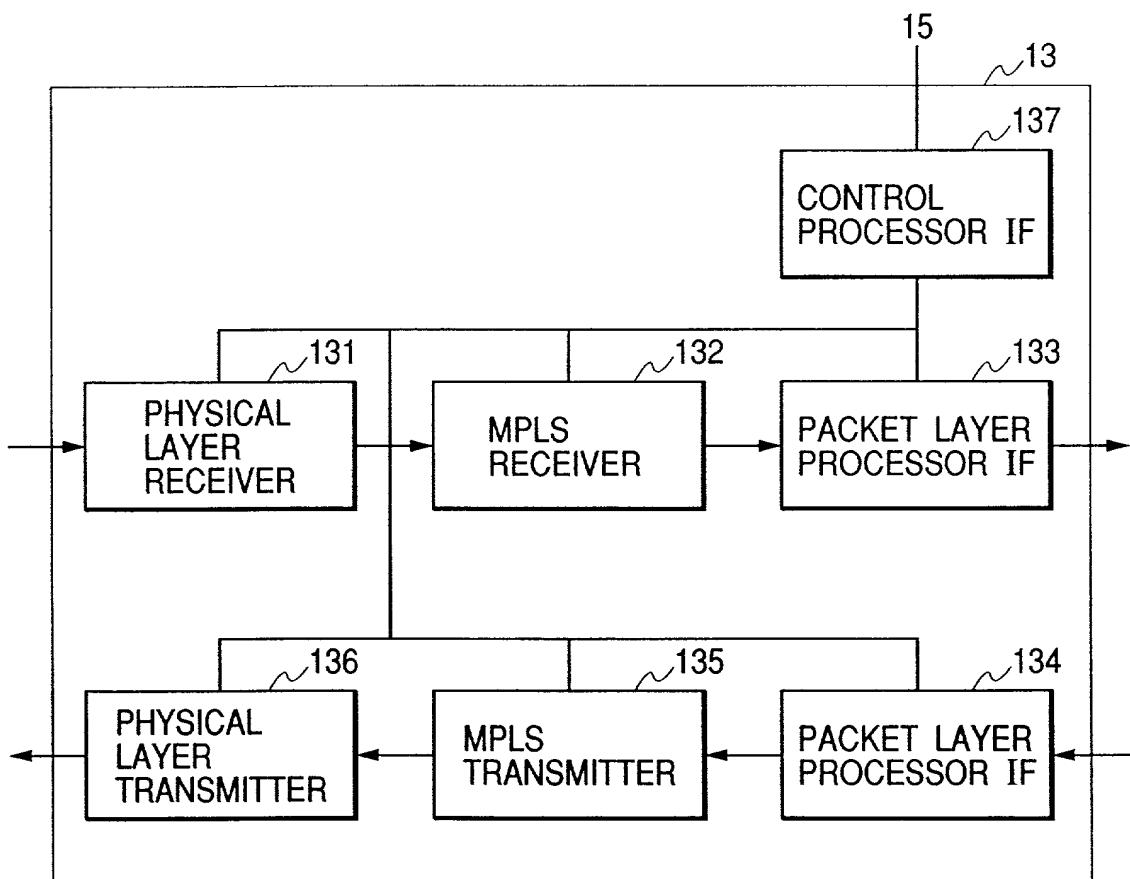


FIG. 8

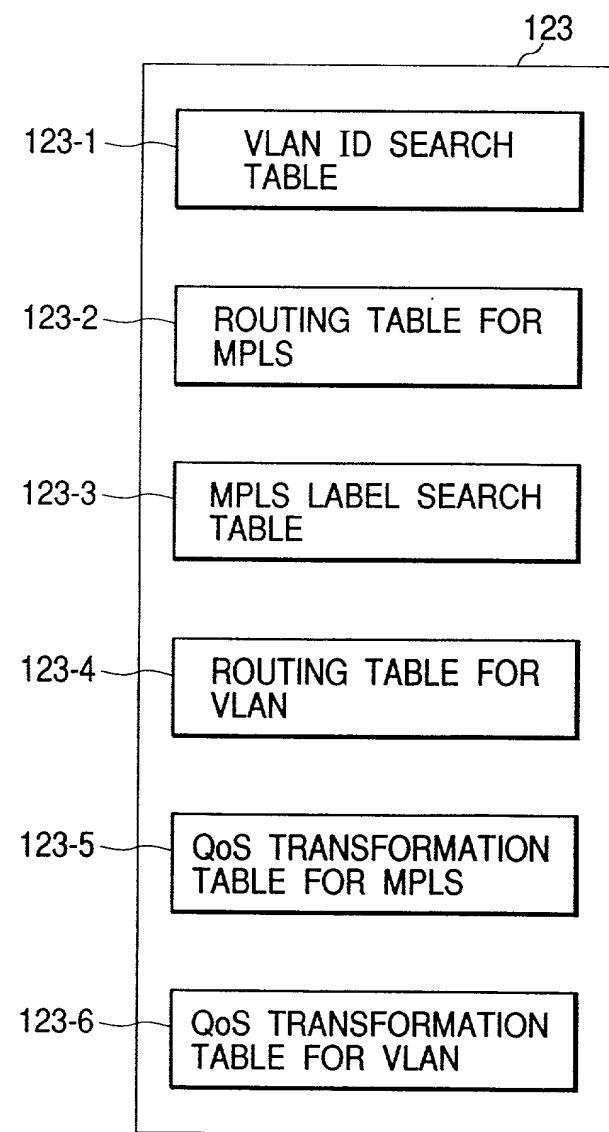


**FIG. 9**

*FIG. 10*

**FIG. 11**

*FIG. 12*

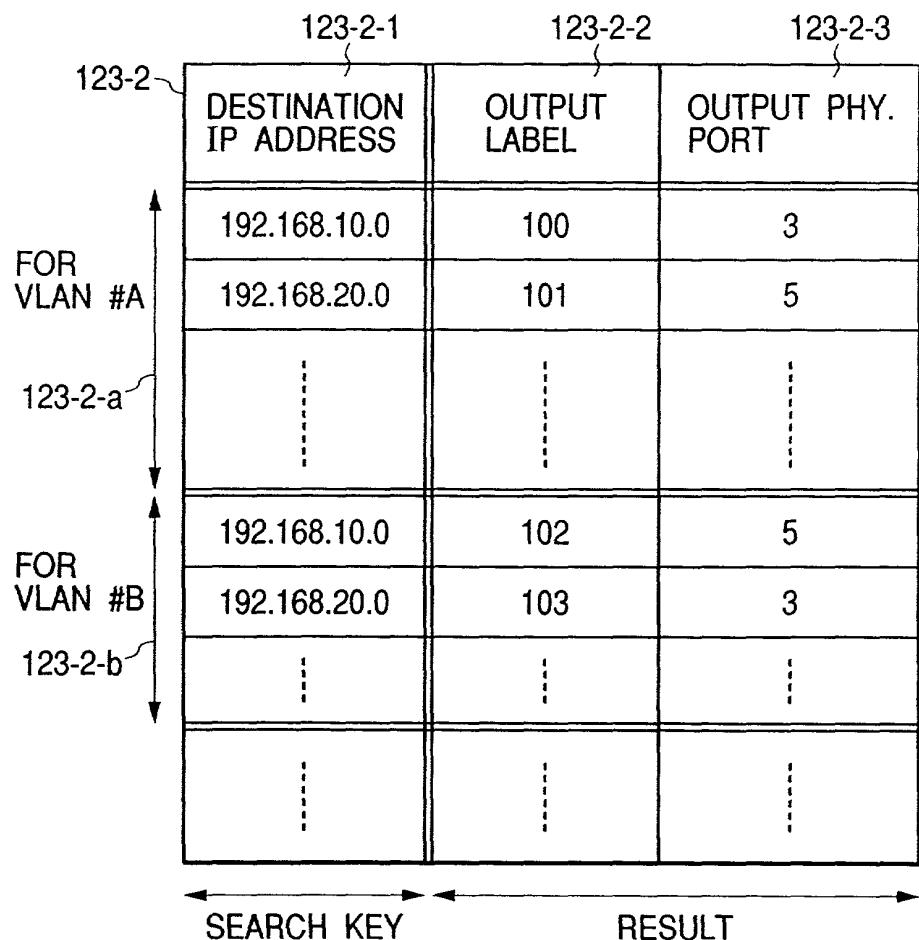


*FIG. 13*

The diagram illustrates a search operation against a VLAN database. On the left, the input VLAN ID '123-1' is shown. Above the table, '123-1-1' is associated with the first column and '123-1-2' with the second column. Below the table, a double-headed arrow spans the width of the two columns, labeled 'SEARCH KEY' under the left column and 'RESULT' under the right column.

INPUT VLAN ID	VLAN
10	VLAN #A
20	VLAN #B
...	...

FIG. 14



**FIG. 15**

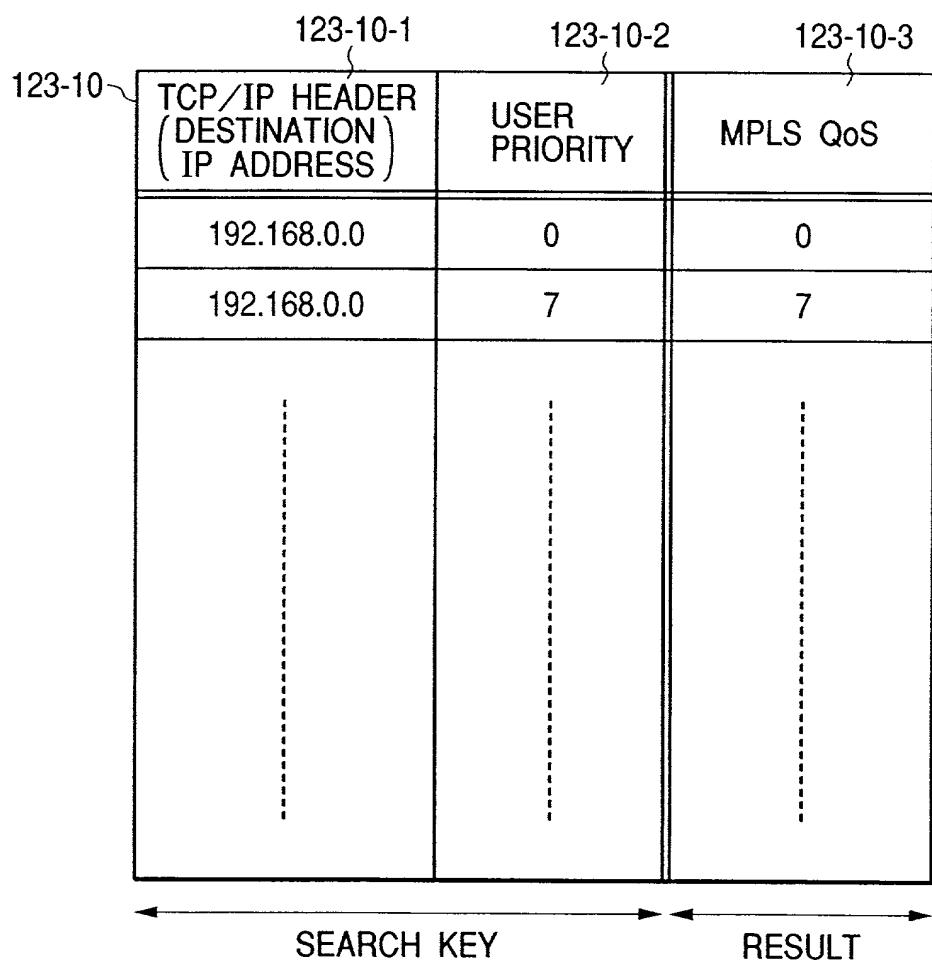
The diagram illustrates a search key and result structure for a VLAN mapping table. At the top, three labels are shown: '123-3' on the left, '123-3-1' above the first column, and '123-3-2' above the second column. A bracket labeled '123-3' spans both columns. Below this, a table is presented with two columns: 'INPUT LABEL' and 'VLAN'. The table contains four rows of data:

INPUT LABEL	VLAN
100	VLAN #A
101	VLAN #A
102	VLAN #B

Below the table, a double-headed arrow at the bottom indicates the width of the entire structure, spanning from the 'SEARCH KEY' on the left to the 'RESULT' on the right.

FIG. 16

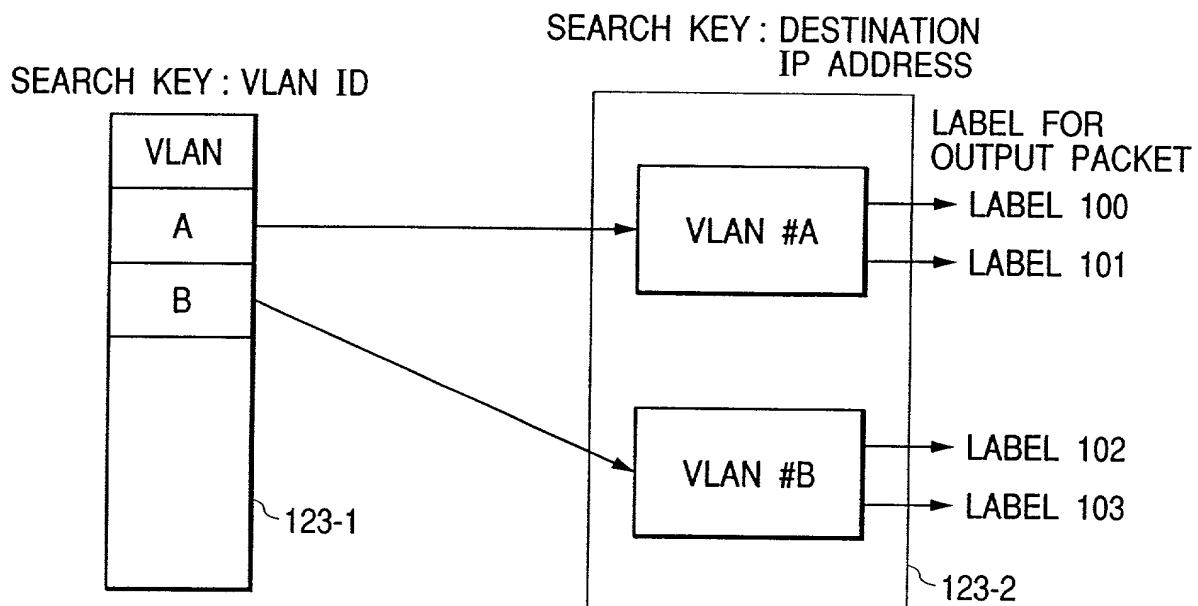
SEARCH KEY		RESULT			
		123-4-1	123-4-2	123-4-3	123-4-4
123-4	DESTINATION IP ADDRESS	MAC ADDRESS	OUTPUT VLAN ID	OUTPUT PHY. PORT	
VLAN #A	192.168.10.0	aa.bb.cc. dd.ee.ff	10 (VLAN #A)	8	
	192.168.20.0	11.22.33. 44.55.66	10 (VLAN #A)	9	
123-4-a	⋮	⋮	⋮	⋮	⋮
VLAN #B	192.168.10.0	aa.bb.cc. dd.ee.ff	20 (VLAN #B)	9	
	192.168.20.0	11.22.33. 44.55.66	20 (VLAN #B)	8	
123-4-b	⋮	⋮	⋮	⋮	⋮
	⋮	⋮	⋮	⋮	⋮

**FIG. 17**

*FIG. 18*

The diagram illustrates a search key and result structure for a routing table entry. On the left, a vertical bracket labeled "123-11" spans three columns. Above the first column, the text "123-11-1" is followed by three curly braces that group the three columns. The first column contains the text "TCP/IP HEADER (DESTINATION) IP ADDRESS". The second column is labeled "MPLS QoS" and the third column is labeled "USER PRIORITY". Below the table, a double-headed arrow at the bottom is labeled "SEARCH KEY" on the left and "RESULT" on the right.

123-11-1	123-11-2	123-11-3
TCP/IP HEADER (DESTINATION) IP ADDRESS	MPLS QoS	USER PRIORITY
192.168.0.0	0	0
192.168.0.0	7	7

**FIG. 19****FIG. 20**